



## How to find selected data sets on Climate.gov

### 1. Global climate data and graphs

Guiding question: What is the status and trend for global average temperature?

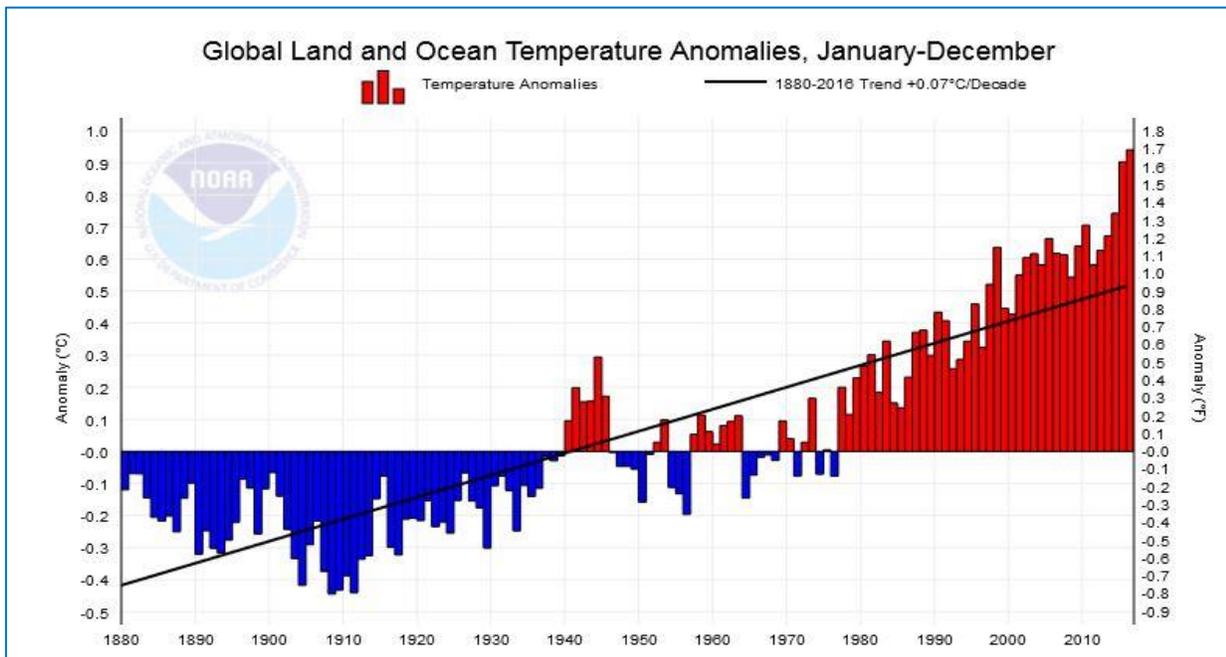
[Climate.gov](#) → [Maps and data](#) → [Dataset gallery](#) → in the search field type in “climate at a glance” and on the resulting page choose [Temperature and Precipitation Trends- Graphing Tool](#)

Or just click directly on [Climate at a glance](#) to generate global or US time series graphs

For a global time series, choose these settings:

The screenshot shows the 'Globe' tab selected. The 'Timescale' is set to 'Annual', 'Month' to 'December', 'Start Year' to '1880', and 'End Year' to '2017'. The 'Region/Continent' is set to 'Global', 'Latitude' to '0.0', and 'Longitude' to '0.0'. The 'Surface' is set to 'Land and Ocean'. In the 'Options' panel, 'Display Trend' is checked, 'per Decade' is selected, and 'Start' and 'End' years are '1880' and '2017' respectively. A 'Plot' button is at the bottom right.

This generates the graph below; the page also includes a downloadable list of the data points





## 2. National climate data in map form

Guiding question: How did February of 2017 compare to normal for February across the US?

[Climate.gov](#) → [Maps and data](#) → [Dataset Gallery](#) → type into the search field “climate at a glance mapping” → You may have to look past the first page; the page you want looks like this:



**Monthly Climate Conditions - Interactive Map**  
*Climate at a Glance: U.S. Mapping*  
 This interactive mapping interface displays data for each of the 344 climate divisions in the U.S. Climate Divisional Database. View maps of monthly or yearly values, ranks, or anomalies for temperature, precipitation,...

Or, just follow this link for [Climate at a glance US map](#)

### Settings for February 2017 temperatures by state compared to average:

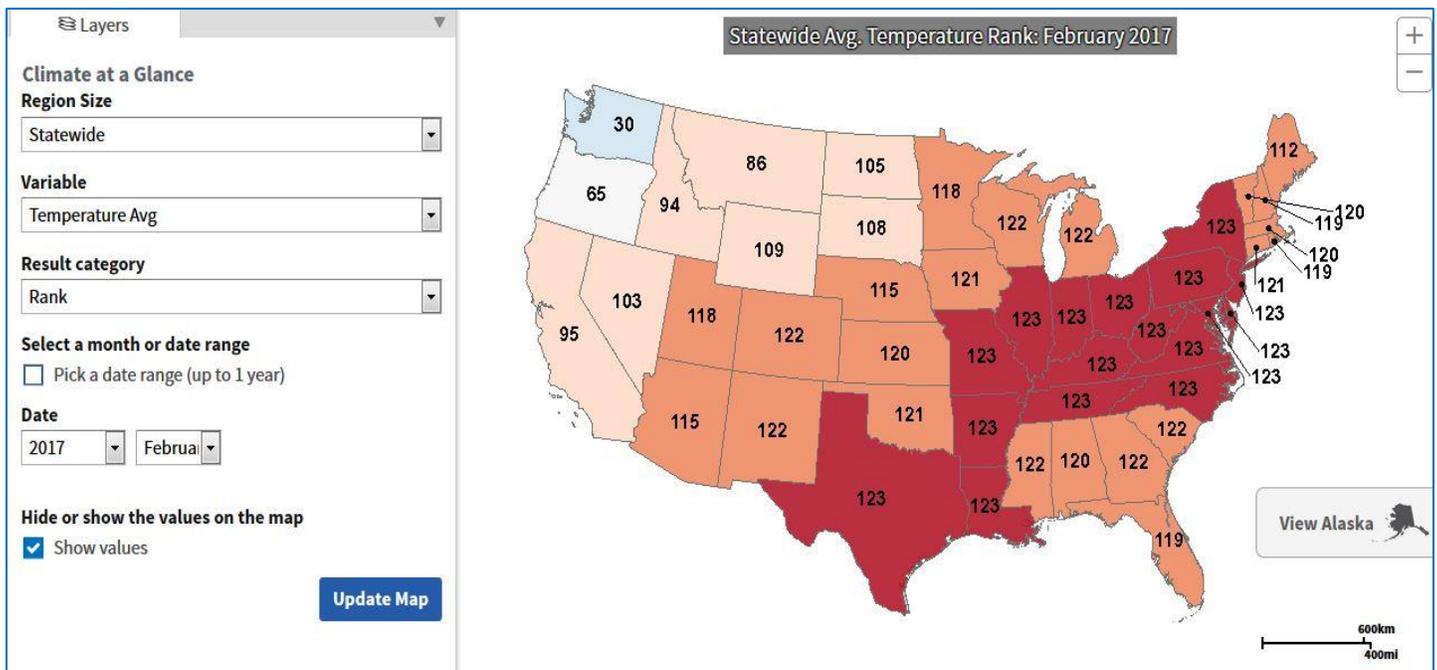
Region size: Statewide (this shows individual state values)

Variable: Temperature Avg

Result Category: Rank (or for a really dramatic map, select “anomalies” for Feb 2017)

Do not check the box for date range; For Date, select February 2017

Check the blue box for Update Map





**3. Statewide climate data and graphs** also available for subregions in states

Guiding question: How has the minimum temperature in Maryland changed over the past century?

[Climate.gov](#) → [Maps and data](#) → [Dataset gallery](#) → In the search field type “time series US”

→ [Temperature and Precipitation Trends- Graphing Tool](#)

Or, just click on this link for

[Climate at a Glance - Time Series Graphs for Contiguous U.S, Regions, States, and Selected Cities](#)

**Settings for MD minimum temp:**

### Time Series

U.S.
Globe

Choose from the options below and click "Plot" to create a time series graph.  
Please note, **Degree Days** are not available for **Agricultural Belts, NWS Regions, Alaska and Cities**; **Palmer Indices** are not available for **NWS Regions, Alaska and Cities**.

Parameter:

Time Scale:

Month:

Start Year:

End Year:

State/Region:

Climate Division/City:

#### Options

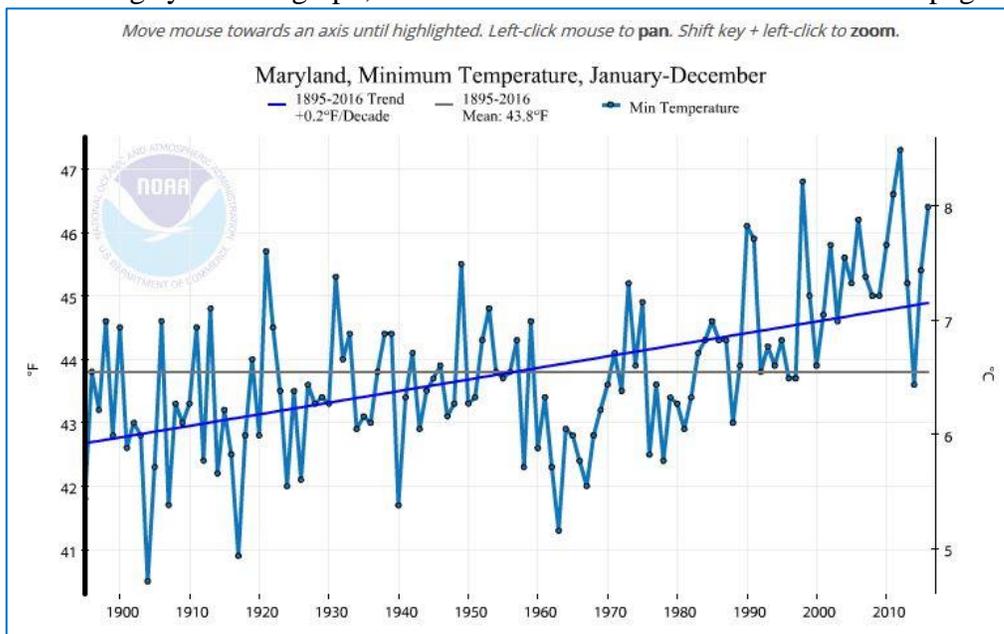
Display Base Period  
Start:  End:

Display Trend  
 per Decade  per Century  
Start:  End:

Smoothed Time Series  
 Binomial Filter  LOESS

Plot

The settings yield this graph, with the data included below it on the web page.



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